




ROLLING BEARING WITH SOLID LUBRICANT

Patent number: DE4139426
Publication date: 1992-06-17
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Classification:
- **international:** F16C33/66
- **european:** F16C33/32; F16C33/62; F16C33/66
Application number: DE19914139426 19911129
Priority number(s): JP19910136084 19910607; JP19910190150 19910730; JP19900196310U 19901130

Also published as:

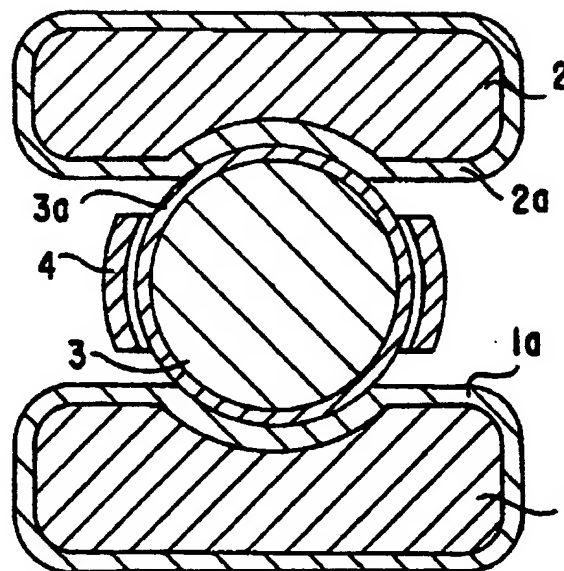
 US5207513 (A1)
 GB2250549 (A)
 FR2671386 (A1)

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Abstract not available for DE4139426

Abstract of corresponding document: **US5207513**

The raceway surfaces of the inner and outer rings 1 and 2 and the surfaces of the rolling elements 3 are formed with lubricating films 1a, 2a and 3a of polytetrafluoroethylene having average molecular weight of not more than 5000 {PTFE (A)}. PTFE heretofore used for rolling bearings is a polymer having average molecular weight of more than 1×10^5 mostly 1×10^6 - 1×10^7 , but PTFE(A) is very low in shear strength and soft as compared with PTFE polymer.



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